

THE WRIGHT-FLEMING INSTITUTE OF MICROBIOLOGY,  
ST. MARY'S HOSPITAL MEDICAL SCHOOL,  
PADDINGTON, LONDON, W.2.

DR/GC

25th February, 1954.

Dr. J. Lederberg,  
Department of Genetics,  
University of Wisconsin,  
Madison,  
Wisconsin,  
U.S.A.

Dear Dr. Lederberg,

Thank you for sending me the six B. coli strains which outcross with K12. Unfortunately none of them was mouse virulent. In the meantime we have been examining some hundreds of coli strains for recombination with K12. We have found several strains which are fertile and one of them is extremely mouse virulent.

We have crossed this with avirulent W677S<sup>R</sup>/F- on SM B<sub>1</sub> but of 100 prototrophs only one was virulent, the ~~next~~<sup>best</sup> had the same virulence as the WF- parent.

The numbers of recombinants are very greatly reduced with the other selective media which we have tried. We are now developing some auxotrophic markers in our virulent strain.

Do you have any other auxotrophic F- strains other than 58 ✓W? if so we would be most grateful for any such strains. Thank you for the strains.

Kind regards,

Yours sincerely,

*Derrick Rowley*

Derrick Rowley.